

Test by: F.I.R.S.T. CCB, Inc. Elizabeth, IL

2020 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] MUSCATINE, IA
Diaan Roos, Muscatine County, IA 52716

Early-Season Test	105 - 110 Day CRM B2020IAEC12a
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Volley Atz, Round Up, Atrazine, Status, Force
SOIL DESCRIPTION:	Tama silt loam, well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, very high K, 6.3 pH, 3.8% OM, 15.8 CEC
PEST MANAGEMENT:	Dual, Round Up, Atrazine, Status
FERTILITY - Applied N:	42 Fall, 156 Spring, 2 ton cattle manure
Applied N-P-K (units):	198-32-48
SEEDED - RATE - ROW:	Apr 23 33.0 /A 30" spacing
HARVESTED - STAND:	Sep 24 32.4 /A

TEST COMMENTS:

This plot was the first planted in the IAEC region. Soil conditions were very good, and it emerged well. Diaan stated that some fields did get damage from the major windstorm in August and that the yields are somewhat lower than expected. The plot had some stalk lodging issues, and base roots were strong. Plants were tall and ears were set high following very good pollination. The area was 3 inches below normal rainfall. Common rust was seen throughout the plot.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NUTECH	70A8AM	AM,B	110	257.0	20.5	1	32.9	828	1
NK BRAND	NK1082-5222A-EZR	5222A,B	110	250.1	20.2	4	31.9	808	2
NK BRAND	NK0886-5122-EZR	5122,B	108	249.7	21.1	3	33.9	801	5
WYFFELS	W5086RIB	VT2P,B	107	249.3	20.5	1	31.9	803	4
ARMOR	A1029	VT2P	110	248.3	22.3	2	33.8	789	7
LATHAM	LH 5965 VT2P RIB	VT2P,B	109	247.7	18.9	2	30.9	808	3
KRUGER	K0807SS	STX,B	108	243.5	19.7	2	31.9	790	6
KRUGER	K0915DD	VT2PDG,B	109	242.6	20.6	2	30.9	781	8
NUTECH	70F2Q	QR,B	110	240.7	21.2	2	31.9	771	11
KRUGER	K0708DT	TRE,B	107	240.6	20.7	1	31.9	774	10
<i>GOLDEN HARVEST</i>	<i>G10L16-5222A-EZR</i>	<i>5222A,B</i>	<i>110</i>	240.5	23.3	5	30.9	758	13
MIDWEST GENETICS	MW09-79 VT2P GC	VT2P	109	239.4	21.8	1	31.9	764	12
NUTECH	68B3VYHR	OL,B	108	233.9	20.6	1	32.9	753	15
DYNA-GRO	D50VC78	VT2P	110	232.2	20.2	1	31.9	750	17
WYFFELS	W4196RIB	VT2P,B	105	232.0	20.5	1	33.8	747	19
WYFFELS	W5516RIB	VT2P,B	108	231.0	19.9	1	32.9	748	18
RENK	RK700SSTX	STX	107	230.6	18.2	1	31.9	756	14
RENK	RK765VT2PRIB	VT2P,B	109	229.7	19.6	6	31.9	745	20
TITAN PRO	94-09 2P	VT2P,B	109	229.2	20.7	1	32.9	737	23
WYFFELS	W6408RIB	STX,B	110	228.9	21.1	4	33.9	734	25
WYFFELS	W4246	VT2P	105	228.6	19.1	1	31.9	745	21
INTEGRA	5529 VT2PRIB	VT2P,B	105	228.5	17.9	1	31.9	751	16
RENK	RK710DGV2P	VT2PDG,B	106	228.2	19.8	1	31.9	740	22
MIDWEST GENETICS	MW10-66 VT2P GC	VT2P	110	226.2	19.1	5	33.9	737	24
RENK	RK805VT2P	VT2P	110	225.2	20.8	1	31.9	724	26
TITAN PRO	96-06 2P	VT2P,B	106	223.9	22.5	1	31.9	710	31
CORNELIUS	C633DP	VT2P	110	223.1	20.6	4	30.9	718	30
FS INVISON	FS 5594X RIB	STX,B	105	223.0	19.5	1	30.9	724	27
INTEGRA	5939 STXRIB	STX,B	109	222.0	19.7	9	33.9	720	28
LATHAM	LH 5847 VT2P RIB	VT2P,B	108	221.1	19.4	18	31.9	719	29
PIONEER	P1185AM CK	AM,B	111	244.6	22.1	1	32.9	778	9
				Averages =	224.3	20.1	5	32.4	725
				LSD (0.10) =	13.9	1.1	12		
				LSD (0.25) =	7.3	0.6	6		
				C.V. =	5.9				
				Historic yield: 216.1 bu/a, 9 yr(s)					



Randy Meinsma

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Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$3.36

Report Date: 09/28/2020

Additional reports available at www.firstseedtests.com

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

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Iowa East Central [IAEC] MUSCATINE, IA
Diaan Roos, Muscatine County, IA 52716

Full-Season Test	111 - 115 Day CRM B2020IAEC12b
Top 30 of 63	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Volley Atz, Round Up, Atrazine, Status, Force
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PEST MANAGEMENT:	Dual, Round Up, Atrazine, Status
FERTILITY - Applied N:	42 Fall, 156 Spring, 2 ton cattle manure
Applied N-P-K (units):	198-32-48
SEEDED - RATE - ROW:	Apr 23 33.0 /A 30" spacing
HARVESTED - STAND:	Sep 24 32.2 /A

TEST COMMENTS:

This plot was the first planted in the IAEC region. Soil conditions were very good, and it emerged well. Diaan stated that some fields did get damage from the major windstorm in August and that the yields are somewhat lower than expected. The plot had some stalk lodging issues, and base roots were strong. Plants were tall and ears were set high following very good pollination. The area was 3 inches below normal rainfall. Common rust was seen throughout the plot.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
RENK	RK882SSTX	STX	111	247.0	26.3	1	32.9	760	3
ARMOR	X19112A	VT2P	112	246.0	24.3	4	32.9	770	2
INTEGRA	6410 VT2PRIB	VT2P,B	114	245.3	23.1	4	32.9	775	1
MIDWEST GENETICS	MW12-48 DGVT2P GC	VT2PDG	112	242.0	26.7	4	30.9	742	8
TITAN PRO	82-14 2P	VT2P,B	114	241.7	26.4	1	32.9	743	7
NUTECH	74B6AM	AM,B	114	240.9	23.9	2	33.8	756	5
FS INVISION	FS 6106X RIB	STX,B	111	240.1	23.2	2	34.8	758	4
CORNELIUS	C7308SS	STX	113	239.1	26.0	1	32.9	738	10
NUTECH	72B7CYFR	QR	112	238.4	24.1	4	31.9	747	6
WYFFELS	W6826RIB	VT2P,B	111	237.2	24.7	1	31.9	739	9
DEKALB	DKC61-41RIB GC	VT2P,B	111	237.1	25.5	1	33.9	734	12
CORNELIUS	C7366DGDP	VT2PDG	113	236.3	25.8	1	31.9	730	16
CORNELIUS	7228VT2P	VT2P	112	235.9	25.1	2	31.9	733	13
ARMOR	A1575	VT2P	115	235.7	25.7	1	33.9	729	17
KRUGER	K1114SS	STX,B	111	235.6	26.2	1	31.9	725	18
GOLDEN HARVEST	G13Z50-3220-EZR	3220,B	113	235.4	24.4	1	30.9	735	11
FS INVISION	FS 6395VDG RIB	VT2PDG,B	113	234.9	26.7	4	31.9	721	19
DYNA-GRO	D54VC34	VT2P	114	234.4	27.5	4	29.9	714	24
GOLDEN HARVEST	G13T41-3120-EZR	3120,B	113	233.0	23.9	1	32.9	731	15
LATHAM	LH 6285 VT2P RIB	VT2P	112	232.9	25.5	2	33.9	721	20
WYFFELS	W7956RIB	VT2P,B	114	232.8	28.5	1	29.9	704	26
WYFFELS	W7876RIB	VT2P,B	114	231.3	28.1	5	29.9	701	28
TITAN PRO	TP 74-12 SS	STX,B	112	230.2	25.6	1	31.9	712	25
RENK	RK945DGVT2P	VT2PDG,B	115	229.1	27.4	4	31.9	699	30
LATHAM	LH 6317 VT2PDG RIB	VT2PDG,B	113	228.7	26.6	1	29.9	702	27
NK BRAND	NK1460-5222-EZR	5222,B	114	228.6	24.3	2	33.9	715	23
KRUGER	K1501DP	VT2P,B	115	227.1	26.6	4	31.9	697	31
LATHAM	LH 6149 SS RIB	STX,B	111	226.6	22.9	2	31.9	717	21
FS INVISION	FS 6406X RIB	STX,B	114	225.9	22.7	3	31.9	716	22
WYFFELS	W6978	STX	111	223.5	24.0	1	29.9	700	29
PIONEER	P1185AM CK	AM,B	111	234.5	24.4	2	30.9	733	14
				Averages =	224.5	25.8	4	32.2	694
				LSD (0.10) =	10.1	1.3	4		
				LSD (0.25) =	5.3	0.7	2		
				C.V. =	4.3				



Randy Meinsma

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Historic yield: 216.1 bu/a, 9 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.36

2020 Corn - Iowa East Central [IAEC]

Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
ARMOR	A0711	VT2P	107	ZN
ARMOR	A1029	VT2P	110	ZN
AUGUSTA	1259	3330,B	109	AVC,C5
AUGUSTA	4958-3120	3120,B	108	CM,C2
CORNELIUS	C633DP	VT2P	110	CM,C2,Vi
CORNELIUS	C7004DP	VT2P	110	AC,P5V,EDC-B
DYNA-GRO	D50VC78	VT2P	110	AC,P5V,EDC-B
FS INVISION	FS 5594X RIB	STX,B	105	AC,P5V
FS INVISION	FS 5704X RIB	STX,B	107	AC,P5V
FS INVISION	FS 5892V RIB	VT2P,B	108	AC,P5V
FS INVISION	FS 5909D2A EZR	5222A,B	109	AC,P5V
FS INVISION	FS 60UX1 RIB	STX,B	110	AC,P5V
GOLDEN HARVEST	G08D29-3120A-EZR	3120A,B	108	AVC,C5,Vi
GOLDEN HARVEST	G10D21-3330-EZR	3330,B	110	AVC,C5,Vi
GOLDEN HARVEST	G10L16-5222A-EZR	5222A,B	110	AVC,C5,Vi
INTEGRA	5529 VT2PRIB	VT2P,B	105	AC,P2,St,SU
INTEGRA	5719 VT2PRIB	VT2P,B	107	AC,P2,St,SU
INTEGRA	5770 STXRIB	STX,B	107	AC,P5V,St,SU
INTEGRA	5939 STXRIB	STX,B	109	AC,P5V,St,SU
INTEGRA	6061 VT2PRIB	VT2P	110	AC,P5,St,SU
KRUGER	K0708DT	TRE,B	107	AC,PV5,B360
KRUGER	K0807SS	STX,B	108	AC,PV5,B360
KRUGER	K0915DD	VT2PDG,B	109	AC,P5,B360
KRUGER	K0917SS	STX,B	109	AC,PV5,B360
KRUGER	K1005DP	VT2P,B	110	AC,P2,B360
LATHAM	LH 5725 VT2P RIB	VT2P,B	107	AC250
LATHAM	LH 5769 SS RIB	STX,B	107	AC,P5V
LATHAM	LH 5847 VT2P RIB	VT2P,B	108	AC250
LATHAM	LH 5965 VT2P RIB	VT2P,B	109	AC250
LG SEEDS	LG59C72VT2PRIB GC	VT2P,B	109	NA
MIDWEST GENETICS	MW09-79 VT2P GC	VT2P	109	NA
MIDWEST GENETICS	MW10-66 VT2P GC	VT2P	110	NA
NK BRAND	NK0886-5122-EZR	5122,B	108	AVC,C5,Vi
NK BRAND	NK1026-3330-EZR	3330,B	110	AVC,C5,Vi
NK BRAND	NK1082-5222A-EZR	5222A,B	110	AVC,C5,Vi
NUTECH	5FB-8808AM	AM,B	108	P1V,RN

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
NUTECH	68A7AM	AM,B	107	P1V,RN
NUTECH	68B3VYHR	OL,B	108	P1V,RN
NUTECH	70A8AM	AM,B	110	P1V,RN
NUTECH	70F2Q	QR,B	110	P1V,RN
PIONEER	P1185AM CK	AM,B	111	NA
RENK	RK700SSTX	STX	107	AC,P5V
RENK	RK710DGVT2P	VT2PDG,B	106	AC,P2
RENK	RK726H	PC	106	AC,P2
RENK	RK765VT2PRIB	VT2P,B	109	AC,P2
RENK	RK805VT2P	VT2P	110	AC,P2
TITAN PRO	23-06 SS	STX,B	106	AC,P5V
TITAN PRO	94-09 2P	VT2P,B	109	AC250
TITAN PRO	96-06 2P	VT2P,B	106	AC250
WYFFELS	W4196RIB	VT2P,B	105	AC250
WYFFELS	W4246	VT2P	105	AC250
WYFFELS	W5086RIB	VT2P,B	107	AC250
WYFFELS	W5516RIB	VT2P,B	108	AC250
WYFFELS	W6408RIB	STX,B	110	AC,P5V

2020 Corn - Iowa East Central [IAEC]

Full-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
ARMOR	A1575	VT2P	115	ZN
ARMOR	X19112A	VT2P	112	ZN
AUGUSTA	4465	3110,B	115	CM,C2
AUGUSTA	6162	3220,B	112	AVC,C5
CHAMPION	64A20 VT2 PRO GC	VT2P,B	114	NA
CORNELIUS	7228VT2P	VT2P	112	NA
CORNELIUS	C7270DP	VT2P	112	NA
CORNELIUS	C7308SS	STX	113	NA
CORNELIUS	C7366DGDP	VT2PDG	113	NA
DEKALB	DKC61-41RIB GC	VT2P,B	111	NA
DYNA-GRO	D54VC34	VT2P	114	AC,P5V,EDC-B
FS INVISION	FS 6106X RIB	STX,B	111	AC,P5V
FS INVISION	FS 6107T RIB	TRE,B	111	AC,P5V
FS INVISION	FS 6306T RIB	TRE,B	113	AC,P5V
FS INVISION	FS 6395VDG RIB	VT2PDG,B	113	AC,P5V
FS INVISION	FS 6406X RIB	STX,B	114	AC,P5V
GOLDEN HARVEST	G12S75-5122-EZR	5122,B	112	AVC,C5,Vi
GOLDEN HARVEST	G13T41-3120-EZR	3120,B	113	AVC,C5,Vi
GOLDEN HARVEST	G13Z50-3220-EZR	3220,B	113	AVC,C5,Vi
GOLDEN HARVEST	G14N11-5222-EZR	5222,B	114	AVC,C5,Vi
INTEGRA	6181 3010A	3010A	111	CM,C2,St,SU
INTEGRA	6284 VT2PRIB	VT2P,B	112	AC,P2,St,SU
INTEGRA	6410 VT2PRIB	VT2P,B	114	AC,P5V,St,SU
INTEGRA	6533 VT2PRIB	VT2P,B	115	AC,P5V,St,SU
INTEGRA	6588 VT2PRIB	VT2P,B	115	AC,P2V,St,SU
KRUGER	K1114SS	STX,B	111	AC,PV5,B360
KRUGER	K1204SS	STX,B	112	AC,PV5,B360
KRUGER	K1237DT	TRE,B	112	AC,P5,B360
KRUGER	K1501DP	VT2P,B	115	AC,P2,B360
KRUGER	K4R-9111	STX,B	111	AC,PV5,B360
LATHAM	LH 6149 SS RIB	STX,B	111	AC,P5V
LATHAM	LH 6285 VT2P RIB	VT2P	112	AC250
LATHAM	LH 6317 VT2PDG RIB	VT2PDG,B	113	AC250
LATHAM	LH 6477 VT2P RIB	VT2P,B	114	AC250
LATHAM	LR 6529 SS RIB	STX,B	115	AC,P5V
MIDWEST GENETICS	MW12-48 DGVT2P GC	VT2PDG	112	NA

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
MIDWEST GENETICS	MW15-49 DGVT2P GC	VT2PDG	115	NA
NK BRAND	NK1239-5122-EZR	5122,B	112	AVC,C5,Vi
NK BRAND	NK1354-5222-EZR	5222,B	113	AVC,C5,Vi
NK BRAND	NK1460-5222-EZR	5222,B	114	AVC,C5,Vi
NUTECH	5FB-2213AM	AM,B	113	P1V,RN
NUTECH	71F5CYFR	QR	111	P1V,RN
NUTECH	72B7CYFR	QR	112	P1V,RN
NUTECH	74B6AM	AM,B	114	P1V,RN
NUTECH	75G1YHR	OI	115	P1V,RN
PIONEER	P1185AM CK	AM,B	111	NA
PIONEER	P1563AM GC	AM,B	115	NA
PROHARVEST	8324 VT2PRIB	VT2P,B	113	AC,P2
PROHARVEST	8360 VT2PRIB	VT2P,B	113	AC,P2
PROHARVEST	84P93 SSTXRIB	STX,B	114	P5V
RENK	RK866DGVT2P	VT2PDG	112	AC,P2
RENK	RK882SSTX	STX	111	AC,P5V
RENK	RK937VT2P	VT2P,B	113	AC,P2
RENK	RK945DGVT2P	VT2PDG,B	115	AC,P2
RENK	RK945SSTX	STX,B	115	AC,P5V
TITAN PRO	82-14 2P	VT2P,B	114	AC250
TITAN PRO	TP 71-12 DG2P	VT2PDG,B	112	AC250
TITAN PRO	TP 74-12 SS	STX,B	112	AC,P5V
WYFFELS	W6826RIB	VT2P,B	111	AC250
WYFFELS	W6978	STX	111	AC,P5V
WYFFELS	W7726RIB	VT2P,B	113	AC250
WYFFELS	W7876RIB	VT2P,B	114	AC250
WYFFELS	W7956RIB	VT2P,B	114	AC250

Footnotes and Abbreviations Descriptions

Brand Footnotes

[^] Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.

CK Identifies a check product included in early- and full-season tests.

GC Grower Comparison product included by FIRST when space permits.

Corn Technologies*

3010A	Agrisure® Artesian® 3010 (CB,LL,GT)
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3120	Agrisure® 3120 (CB,HX,LL,GT)
3120A	Agrisure® Artesian® 3120 (CB,HX,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
OI	Optimum® Intrasect®
OL	Optimum® Leptra®
PC	PowerCore™
QR	Qrome™
STX	SmartStax®
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

*The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

NA	Not Available
AC250	Acceleron 250
AC,P2	Acceleron, Poncho 250
AC,P2,B360	Acceleron Poncho 250 with BioRise™ B-360 ST
AC,P2,St,SU	Acceleron 250, Stamina, StepUp
AC,P2V,St,SU	Acceleron Poncho 250 Votivo, Stamina, StepUp
AC,P5,B360	Acceleron Poncho 500 with BioRise™ B-360 ST
AC,P5,St,SU	Acceleron Poncho 500, Stamina, StepUp
AC,P5V	Acceleron, Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
AC,P5V,St,SU	Acceleron Poncho 500/Votivo, Stamina, StepUp
AC,PV5,B360	Acceleron Poncho 500/Votivo with BioRise™ B-360 ST
AVC,C5	Avicta Complete 500
AVC,C5,Vi	Avicta Complete 500, Vibrance
CM,C2	CruiserMaxx 250
CM,C2,St,SU	CruiserMaxx 250, Stamina, StepUp
CM,C2,Vi	CruiserMaxx 250 with Vibrance
P1V,RN	Poncho 1250/Votivo, Rancona®
P5V	Poncho 500/Votivo
ZN	Winfield United Advanced Coating® Zn

** Seed treatments may include unspecified plant health promoting components.